

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/JP02/13728

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G09G3/30, G09G3/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ G09G3/30, G09G3/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1926-1996	Toroku Jitsuyo Shinan Koho	1994-2003
Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JICST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 6-350943 A (Fujitsu General Ltd.), 22 December, 1994 (22.12.94), Par. Nos. [0004] to [0015]; Figs. 1 to 4 Par. Nos. [0004] to [0015]; Figs. 1 to 4 (Family: none)	1-9 10-11
Y	JP 10-268832 A (Matsushita Electric Industrial Co., Ltd.), 09 October, 1998 (09.10.98), Par. Nos. [0006] to [0021]; Figs. 1 to 3 (Family: none)	1-9

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
01 April, 2003 (01.04.03)

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15 April, 2003 (15.04.03)

Name and mailing address of the ISA/
Japanese Patent Office

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 11-275386 A (Matsushita Electric Industrial Co., Ltd.), 08 October, 1999 (08.10.99), Par. Nos. [0011] to [0031]; Figs. 1 to 4 & WO 99/45703 A1	1-9
Y	JP 9-147101 A (Sony Corp.), 06 June, 1997 (06.06.97), Par. No. [0002] (Family: none)	1-9
Y	JP 2000-221945 A (Victor Company Of Japan, Ltd.), 11 August, 2000 (11.08.00), Full text; Figs. 1 to 9 (Family: none)	1-9
Y	JP 2001-350450 A (Matsushita Electric Industrial Co., Ltd.), 21 December, 2001 (21.12.01), Par. Nos. [0008] to [0028]; Figs. 1 to 6 (Family: none)	3-9
Y	JP 2000-56730 A (Canon Inc.), 25 February, 2000 (25.02.00), Par. Nos. [0050], [0106] to [0108]; Fig. 5 (Family: none)	1-9
Y	JP 2001-184015 A (Seiko Epson Corp.), 06 July, 2001 (06.07.01), Par. No. [0009] (Family: none)	12-16
Y	JP 2001-109434 A (Fuji Photo Film Co., Ltd.), 20 April, 2001 (20.04.01), Par. Nos. [0032], [0036] to [0038], [0053] to [0056], [0070]; Figs. 1 to 3 (Family: none)	12-14
Y	JP 2001-320454 A (Fuji Photo Film Co., Ltd.), 16 November, 2001 (16.11.01), Par. Nos. [0019] to [0021]; Figs. 1 to 2 (Family: none)	12-14
Y	JP 8-123385 A (Ricoh Co., Ltd.), 17 May, 1996 (17.05.96), Par. Nos. [0009] to [0019]; Figs. 1 to 3 (Family: none)	15-16
Y	JP 2001-22319 A (Matsushita Electric Industrial Co., Ltd.), 26 January, 2001 (26.01.01), Par. Nos. [0100] to [0105]; Figs. 1 to 2, 12 (Family: none)	15-16

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2000-89712 A (Canon Inc.), 31 March, 2000 (31.03.00), Par. Nos. [0040] to [0049]; Fig. 5 (Family: none)	15-16

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Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

- The inventions of claims 1-4 relate to an organic EL display luminance control method controlling the amplitude of a video input signal according to a luminance accumulation value.
- The inventions of claims 5-11 relate to an organic EL display luminance control circuit having a voltage adjusting circuit for controlling the reference voltage of the DA converter according to a luminance accumulation value.
- The inventions of claims 12-14 relate to a cellular telephone having the organic EL display which judges the brightness around according to
(continued to extra sheet)

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest ☐ The additional search fees were accompanied by the applicant's protest.
☒ No protest accompanied the payment of additional search fees.

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Continuation of Box No.II of continuation of first sheet(1)

the camera exposure control information and controls the display luminance.

- The inventions of claims 15-16 relate to a cellular telephone having the organic EL display which controls the display luminance according to the direction of the display screen.